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EDUCATION

Ph.D. Oceanography, Texas A&M University, 1988

M.S., Oceanography, Texas A&M University, 1982

B.S., Chemistry, Texas A&M University at Galveston, 1980

PROFESSIONAL EXPERIENCE

Associate Professor, Health Science Center, School of Rural Public Health, Texas A&M System, September 2006 – present.

Assistant Professor, Health Science Center, School of Rural Public Health, Texas A&M System, September 2004 – August-2006.

Lecturer, Health Science Center, School of Rural Public Health, Texas A&M University System, September 2001 – August 2004.

TEES Associate Research Scientist, Department of Civil Engineering, Texas A&M University, August 1998 – August 2002.

Senior Project Manager, TDI-BI. July 1996 - present.

TEES Assistant Research Scientist, Department of Civil Engineering, Texas A&M University, January 1996 – August 1998.

Manager, Mass Spectrometry Group, Geochemical and Environmental Research Group, Texas A&M University, September 1993 - January 1996.

Assistant Research Scientist, Geochemical and Environmental Research Group, Texas A&M University, September 1989 - January 1996.

Post-Doctoral Research Associate, Geochemical and Environmental Research Group, Texas A&M University, June 1988 - August 1989.

Research Assistant, Department of Oceanography, Texas A&M University, November 1984 - May 1988.



PROFESSIONAL TRAINING & CERTIFICATIONS

ThermoQuest Corporation, Techniques of GC-LC/MS-MS, 1999

Hewlett Packard Company, Fundamentals and Operation of LC/MS, 1990

Perkin Elmer Company, Fundamentals of Gas Chromatography, 1981

PUBLICATIONS

Naspinski, C, R. Lingenfelter, L. Cizmas, Z. Naufal, L.Y. He, A. Islamzadeh, Z. Li, Z. Li, T.J. McDonald, and K.C. Donnelly. 2008. A comparison of concentration of polycyclic aromatic compounds detected in dust samples from various regions of the world. *Env. Inter.* (34) 988-993.

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Nwaneshiudu, O.C., R.L. Autenrieth, T.J. McDonald, K.D. Donnelly, E.D. Degollado, and A.A. Abusalih. 2007. Risk of polycyclic aromatic hydrocarbon (PAH) exposure from ingested food: the Azerbaijan case study. *Journal of Environmental Science and Health B*. 42(6): 697-706.



Matson, C, M. Lambert, T. McDonald, R. Autenrieth, K.C. Donnelly, Islamzadeh, A, Politov, D, and Bickham, J. 2006. Evolutionary Toxicology: Population-Level Effects of Chronic Contaminant Exposure on the Marsh Frogs (*Rana ridibunda*) of Azerbaijan. *Environmental Health Perspective*. 114(4): 547-552.

Hokanson, R, W. Hanneman, M. Hennessey, K. C. Donnelly, T. J. McDonald, R. Chowdhary, and D.L. Busbee. 2006. DEHP, bis(2)-ethylhexyl phthalate, alters gene expression in human cells: possible correlation with initiation of fetal developmental abnormalities. *Human Exposure Toxicology*. 25 (12) 687-695.

Matson, C.W., G. Palatnikov, A. Islamzadeh, T.J. McDonald, R.L. Autenrieth, K.C. Donnelly, and J. W. Bickham. 2005. Chromosomal Damage in two species of aquatic turtles (*Emys orbicularis* and *Mauremys caspica*) inhabiting contaminated sites in Azerbaijan. *Ecotoxicology*, 513-525.

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Kennicutt II, M.C., Brooks, J.M., Bidigare, R. R., Fay, R.R., Wade, T.L. and McDonald, T.J. (1985). Vent type taxa in a hydrocarbon seep area on the Louisiana Slope. *Nature*, Vol. 317: 351-353.



McDonald, T. J., Brooks, J.M., and Kennicutt II, M.C. (1984). Release of volatile liquid hydrocarbons from spilled petroleum. *Bull. Environmental Contamination and Toxicology*, 32: 621-628.

Kennicutt II, M. C., Brooks, J.M., and McDonald, T.J. (1984). Volatile organic inputs from an ocean outfall near Barceloneta, Puerto Rico. *Chemosphere*, 13: 535-548.

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BOOK CHAPTERS:

McDonald, T.J., Kennicutt II, M.C., Brooks, J.M., and Fay, R.R. (1993). Volatile organic compounds associated with petroleum seepage in surficial Gulf of Mexico Sediments. In: J. Whelan and J. W. Farrington Eds. *Organic Matter: Productivity, Accumulation, and Preservation in Recent and Ancient Sediments*. Columbia University Press, New York pp. 433-452.

McDonald, T.J., Kennicutt II, M.C. Rafalska, J.K. and Fox, R.G. (1991). Source and maturity of organic matter in selected Prydz Bay sediments Site 739C and Site 741A, ODP Leg 119. In: Barron, J. Larsen, B., et al., *Proc. ODP, Sci Results*, 119: College Station, TX (Ocean Drilling Program) 407-416.

McDonald, S.J., Wade, T.L. Brooks, J.M. and McDonald, T.J. (1991). Assessing the exposure of fish to a petroleum spill in Galveston Bay, Texas. In: *Water Pollution: Modeling, Measuring, and Prediction*. Worbel, L.C. and Brebbia, C.A. (Eds.) Computational Mechanics Publications, Southampton and Elsevier Applied Science, London, pp. 707-718.

McDonald, T.J., Kennicutt II, M.C., Brooks, J.M., and Kvenvolden, K.A. (1989). Organic matter at Sites 642-644, Ocean Drilling Program, Leg 104. In: Eldholm, O., Thiede, J., Taylor, E. et al., *Proc. ODP, Scientific Results*, 104: College Station, TX (Ocean Drilling Program), 309-318.

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AWARDS

Session Co-Chairperson: Geochemistry Session on Quantitative Determinations of Biological Markers, ACS National Meeting 1994.

Outstanding Graduate Student Award - Division of Environmental Chemistry, American Chemical Society 1988.

Organic Geochemist, Ocean Drilling Project, Leg 104, 1985.

Organic Geochemist, Deep Sea Drilling Project, Leg 84, 1982.